

Pixel DAQ

- Disclaimer: this are some very preliminary thoughts about the necessary changes on the SVX DAQ system to accommodate pixel detectors:
- Port Card
 - » The port card would be removed. Hopefully some serial readout scheme would preclude the use of a rad-hard port card. This decision depends on the data rate.
 - » The controls could be accomplished by means of some serial set of control lines.

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- FIB
 - » Probably it would have to be replaced.
 - » The functionality of the new module would include configuration of the pixel detector.
 - » The new module would assemble the pixel data in such way it can be used by higher level systems: VRBs and the SVX trigger system.
- FTM
 - » Replace? Probably but one may find ways to adapt to a Pixel-FIB.
- SRC
 - » Reconfigure to send the proper controlling for the Pixel detector.
- Other modules
 - » Probably reconfigure to handle other commands or data format.